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ABSTRACT

Three hundred citations dating between 1945 and 1968 are listed in this annotated bibliography on rural manpower. The bibliography has a broad general scope and includes action-oriented publications as well as more theoretical research studies. Materials are grouped under 7 headings: (1) bibliographies, (2) books, (3) journal articles, (4) bulletins and reports, (5) U. S. Government documents and reports, (6) miscellaneous publications, and (7) unpublished papers and speeches. With the exception of the section on bibliographies, the citations are not categorized by subject. (TL)

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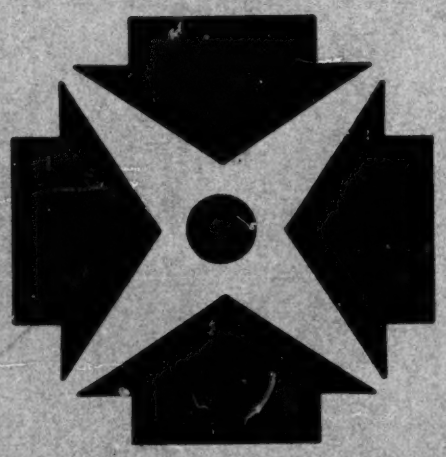

RURAL MANPOWER CENTER

SPECIAL PAPER NO. 5 AUGUST 1968

RURAL MANPOWER: AN ANNOTATED BIBLIOGRAPHY

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Rural Manpower: An Annotated Bibliography

by

Garth Holmquist and Jack L. Hervey*

Introduction

The bibliography contained in this publication is oriented toward the rural manpower situation. Citations included cover a broad spectrum of topics; as a result, the orientation becomes quite general, and includes works that are "action" oriented as well as more theoretical research studies. Persons familiar with rural manpower problems are well aware of the complex economic-social-political interrelationships involved. The difficulty encountered in delineating the boundaries for the inclusion or exclusion of material into this report further exemplifies the complexities of this area of study.

This is not a comprehensive reference work for the rural manpower area; several other bibliography references are cited with the objective of giving the reader alternative reference bases from which to determine what research has been done concerning rural labor and related problems.

The contents are divided into seven categories. Category 1 contains additional bibliographic sources. The remaining categories are: books or monographs, journal articles, bulletins and reports, U.S. Government documents and reports, miscellaneous publications, and unpublished papers and speeches. With the exception of the section on bibliographies, the citations are not categorized by subject. Subject classification was considered; however, the time and difficulty encountered during preliminary cross-classification efforts encouraged the less ambitious scheme.

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One additional point should be noted. There are cited in the bibliography numerous publications from Departments of Labor and/or Health of several states. These citations are not inclusive in terms of those states that publish such material; in fact anyone interested in labor information from a state not cited in this bibliography, should write to the Labor or Health Department Offices of the state concerned. Furthermore, much of the material coming out of these state offices (as well as the federal offices) is published annually or periodically revised; therefore, specific citations may be out of date in terms of the most recent information available.

J. L. Hervey

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1. Banks, Vera J. Migration of Farm People--An Annotated Bibliography, 1946-1960. Economic Research Service, U.S. Department of Agriculture, Misc. Pub. 954, Washington, D.C., October 1963.

2. Davis, Elizabeth. Low-Income Farm People--A Selected List of References. Library List No. 62, U.S. Department of Agriculture Library, Washington, D.C., May 1955.

3. Folsom, Josiah C. Migratory Agricultural Labor in the United States, An Annotated Bibliography of Selected References. Library List No. 59, U.S. Department of Agriculture Library, Washington, D.C., May 1953.

4. Janssen, M. R. Summaries of Selected Studies on Training of Workers and Migration From Low-Income Areas. Economic Research Service, U.S. Department of Agriculture, Washington, D.C., February 1963.

5. Strange, Susan, and Rhea Pendergrass Priest. Bibliography: The Mexican-American in the Migrant Labor Setting. An unpublished paper, Rural Manpower Center, Michigan State University, East Lansing, Michigan, 1968, 26.

6. U.S. Department of Labor. Bureau of Labor Statistics Catalog of Publications. Washington, D.C., semiannual.

   This publication issued semiannually by the U.S. Department of Labor lists and annotates all Bureau of Labor Statistics Publications for the preceding six-month period.

7. U.S. Department of Labor. Sociological Studies of Occupations, A Bibliography. Office of Manpower, Automation and Training, Washington, D.C., U.S. Government Printing Office, October 1965, 83.

8. U.S. Department of Labor. State Committees on Seasonal Agricultural Labor. Bureau of Labor Standards, Bulletin 274, Washington, D.C., U.S. Government Printing Office, June 1965, 72.

   A listing of, and the organization of various state committees concerned with agricultural workers and an outline of their activities. In addition it lists various Federal agencies which have responsibilities in this area.

BOOKS:

10. The European Productivity Agency of the Organization for European Economic Cooperation. Labour Management on the Farm. Paris, France, Organization for European Economic Cooperation, 1967, 171.

    The European Productivity Agency of the O.E.E.C. undertook a program of research to determine what was being done in Europe and in the United States in the way of farm labor management research. This report gives the findings of the project as well as incorporating several papers from a seminar held for discussion and exchange of ideas on the technical and economic importance of labor management in agriculture. Primary importance is placed on the relationships between farmers and their employees.

    An extensive bibliography is presented, chiefly of European publications, on techniques of labor management research and labor management application to various farm enterprises, general references, labor relations, and farm labor management periodicals.

11. Kohl, Thomas J. and others. Labor Management on the Farm. Trenton, New Jersey, Garden State Service Cooperative Association, Inc., 1958, 60.

    A series of articles by different authors giving advice on management of migrant farm laborers based on the experience of the authors.

12. MacGillivray, John H., and Robert A. Stevens. Agricultural Labor and Its Effective Use. Palo Alto, California, the National Press, 1964, 107.

    Labor training and management practices are suggested with the goal of increasing productivity to allow higher wages without appreciably increasing unit production costs.

13. Maddox, James G., et. al. The Advancing South: Manpower Prospects and Problems. New York, the Twentieth Century Fund, 1967, 276.

    As a basis for developing general policy suggestions for the economic development of the South, Maddox reviews the cultural, racial, educational, and economic history of the South. Manpower and employment projections are developed for 1975. Much of the material presented in the text and 33-page appendix, are regional comparisons of employment, income, educational, and occupational data.

14. Reul, Myrtle R. Where Hannibal Led Us. New York: Vantage Press, 1967, 295.

    This book presents a digest of some of the experiences encountered by Dr. Reul during a one-year period when she and her husband joined the migratory farm labor stream.

JOURNAL ARTICLES:

20. Bachmura, Frank T. The Manpower Development and Training Act of 1962--Its Significance for Rural Areas, Journal of Farm Economics, Vol. 45, No. 1, February 1963, 61-72.

The author examines the importance of the Manpower Development and Training Act to rural areas and how the provisions of the act apply to farm families.

21. Baumgartner, H. W. Potential Mobility in Agriculture: Some Reasons for the Existence of a Labor Transfer Problem, Journal of Farm Economics, Vol. 47, No. 1, February 1965, 74-82.

The author explains reasons for difficulties in labor mobility from farm to nonfarm employment.

22. Bryant, W. Keith. Causes of Inter-County Variations in Farmer's Earnings, Journal of Farm Economics, Vol. 48, No. 3, Part 1, August 1966, 557-577.

The author reports the findings of a 1959 analysis of inter-county variations in farmers' earnings. He goes on to determine reasons for such income differences.

23. Bryant, W. Keith. Demand and Supply of Agricultural Labor in a Period of Social Change, Journal of Farm Economics, Vol. 46, No. 5, December 1964, 1246-1252.

This paper evaluates changes which are taking place in the farm labor market and points out the forces which are causing the change.

24. Burkett, W. Keith. Effect of Nonfarm Employment on Agricultural Development, Journal of Farm Economics, Vol. XLIII, No. 5, December 1961, 1215, 1216.

The effects of nonfarm employment on increased farm labor wages are examined.

25. Diehl, William D. Farm-Nonfarm Migration in the Southeast: A Cost-Returns Analysis, Journal of Farm Economics, Vol. 48, No. 1, February 1966, 1-11.

The author compares and analyzes the costs of migrating from farm to nonfarm employment with expected or realized returns from the new employment.

26. Employment Service Review, Vol. 3, No. 1, January 1966.

This issue contains a series of articles on farmer vocational training, seasonal labor recruitment, family housing, and rural youth training programs. This journal typically contains articles pertaining to rural manpower, and may be a profitable source of current labor information.

JOURNAL ARTICLES continued:

27. Farm Policy Forum, Vol. 10, No. 4, Spring, 1958.

    This issue of the Farm Policy Forum contains a series of articles on the pros and cons of labor unions as they affect farmers, what the farmers' interests in labor unions are, and what to expect of unions in the future.

28. Fridley, R. W., and P. A. Adrian. Mechanical Harvesting Costs, Western Fruit Grower, June 1961.

    This article suggests means for estimating costs in harvesting various fruits by the shake-catch method.

29. Gallaway, Lowell E. Geographic Flows of Hired Agricultural Labor: 1957-1960, American Journal of Agricultural Economics, Vol. 50, No. 2, May 1968, 199-212.

    The author examines the gross flows of hired agricultural labor among census regions in response to economic incentives.

30. Gallaway, Lowell E. Mobility of Hired Agricultural Labor: 1957-1960, Journal of Farm Economics, Vol. 49, No. 1, Part 1, February 1967, 32-52.

    Patterns of interindustry flows of hired agricultural labor are analyzed with an attempt to disclose why there has been little or no increase in relative returns to labor in agriculture despite a considerable outflow of human resources from agriculture.

31. Gaston, H. P., and J. H. Levin. Handling Cherries in Water, American Fruit Grower, May 1955, 11, 38.

    This article examines a method of handling cherries in water and presents a discussion of the advantages of such a method, including such advantages as maintaining better quality, reduced costs, and simplified management.

32. Gisser, Micha. Needed Adjustments in the Supply of Farm Labor, Journal of Farm Economics, Vol. 49, No. 4, November 1967, 806-815.

    This article considers the problem of farm labor adjustments to economic growth and attempts to estimate the annual shift in supply of farm labor which is necessary for farm labor wage rates to increase favorably or comparably with nonfarm wages.

33. Green, Bernal L. Rural Income Differences and Instrumental Variables, Canadian Journal of Agricultural Economics, Vol. XV, No. 1, 1967.

    The author defines variables affecting incomes of rural people and examines these variables to determine their significance relating to income level.

JOURNAL ARTICLES continued:

34. Grove, Ernest W. The Farm Labor Income Numbers Game, Journal of Farm Economics, Vol. 47, No. 4, November 1965, 1022-1024.

The author calls for more elaborate and more specific statistics on separate farm labor groups in order to obtain a more accurate picture of farm labor income.

35. Hathaway, Dale E. Improving and Extending Farm-Nonfarm Income Comparisons, Journal of Farm Economics, Vol. 45, No. 2, May 1963, 367-375.

The discussion centers on reasons for comparing farm-nonfarm income, and on methods of improving comparisons.

36. Hathaway, Dale E. and Brian B. Perkins. Farm Labor Mobility, Migration, and Income Distribution, American Journal of Agricultural Economics, Vol. 50, No. 2, May 1968, 342-353.

This is a paper presented at the winter meeting of the American Farm Economic Association. The primary concerns of the paper are, "The Returns to Mobility Out of Agriculture," mobility rates, and the impact of unemployment on mobility.

37. Hill, Lowell D. Characteristics of the Farmers Leaving Agriculture in an Iowa County, Journal of Farm Economics, Vol. XLIV, No. 2, May 1962, 419-426.

This paper discusses reasons that farmers gave for leaving agriculture in a study made covering the period from October 1959 to May 1961.

38. Jones, B. F. The Impact of Government-Subsidized Farm-Operating Loans on Family Labor Employment in Agriculture, Journal of Farm Economics, Vol. 48, No. 5, December 1966, 1216-1221.

The author examines F.H.A. operating loans and their effect on migration from farm to nonfarm employment.

39. Jones, Lamar B. Public Law 78 and Farm Manpower Problems, Labor Law Journal, February 1966, 83-88.

This article considers the consequences of the expiration of Public Law 78 which authorized treaty negotiations with Mexico for importation of Bracero farm labor.

40. Jones, Lamar B., and James W. Christian. Some Observations on the Agricultural Labor Market, Industrial and Labor Relations Review, Vol. 18, No. 4, July 1965, 522-534.

The authors examine the agricultural work force, possible alternate occupations, demand for agricultural workers, and ways of alleviating agricultural work force shortages.

JOURNAL ARTICLES continued:

41. Knebel, Stanley M. Current Developments in Farm Labor Legislation, Journal of Farm Economics, Vol. 48, No. 5, December 1966, 1131-1136.

    Recent major labor legislation is briefly reviewed. Major emphasis is placed on developments that led to the increased public concern for lower income workers.

42. Maier, Frank H. The Incidence of Increasing Wage Costs in Farm Production, Journal of Farm Economics, Vol. XLIII, No. 5, December 1961, 1193-1200.

    This paper presents a theoretical analysis of, as well as general and qualitative conclusions about, increasing wage costs in agriculture. Estimates of the magnitude and size of the wage-cost problem are presented.

43. Maitland, Sheridan T., and Louis J. Ducoff. The Farm Labor Force, Recent Trends and Future Prospects, Journal of Farm Economics, Vol. XLIII, No. 5, December 1961, 1183-1189.

    The authors review the changes which have taken place in the farm labor force with respect to wages and numbers of workers. They also suggest prospects for the future.

44. Mamer, John W. The Use of Foreign Labor for Seasonal Farm Work in the United States--Issues Involved and Interest Groups in Conflict, Journal of Farm Economics, Vol. XLIII, No. 5, December 1961, 1204-1210.

    The author reviews the use of foreign farm labor as it affects the economy of the U.S.

45. Mamer, John W. and Varden Fuller. Labor and the Economic Factors in Fruit and Vegetable Harvest Mechanization, Agricultural Science Review, Vol. 3, No. 4, Fourth Quarter, 1965.

    Possible alternate production methods are reviewed in consideration of forecasting seasonal labor shortages, supply uncertainties, and higher wage demands.

46. Marshall, F. Ray, and Lamar B. Jones. Agricultural Unions in Louisiana, Labor History, Vol. 3, No. 3, Fall, 1962, 287-306.

    The authors examine the history and present status (1962) of labor unions for agricultural workers in Louisiana.

47. Martin, Lee R. Relevant Alternatives in Resolving the Rural Poverty Program, Journal of Farm Economics, Vol. 46, No. 2, May 1964, 418-428.

    Alternative methods, which could be created by the U.S.D.A. and land-grant colleges for resolving rural poverty, are examined.

JOURNAL ARTICLES continued:

48. Martin, William E. Alien Workers in United States Agriculture: Their Impact on Production, Journal of Farm Economics, Vol. 48, No. 5, December 1966, 1137-1145.

The author examines the impact on agricultural production, and the demand for domestic labor of foreign labor in the United States.

49. McElveen, Jackson V. "Farm Numbers, Farm Size, and Farm Income, Journal of Farm Economics, Vol. 45, No. 1, February 1963, 1-12.

The author points out the relationship between declining farm numbers, increasing farm size, and farm income.

50. Mellor, John W. The Use and Productivity of Farm Family Labor in Early Stages of Agricultural Development, Journal of Farm Economics, Vol. 45, No. 3, August 1963, 517-534.

The author analyzes agricultural labor use and productivity, and points out implications for formulating an agricultural development policy.

51. Mitcheltree, Wallace A. Supervision and Management of Farm Labor, Journal of Farm Economics, Vol. 48, No. 5, December 1966, 1146-1149.

The author discusses the role of a farm manager and then offers management suggestions for dealing with farm labor.

52. Morris, W. H. M., and John E. Kadlec. An Evaluation and Projection of Output Per Man in Agriculture, Journal of Farm Economics, Vol. 45, No. 5, December 1963, 1007-1011.

Productivity statistics are compared for farm workers in different regions of the United States. These statistics are analyzed to project future requirements of agricultural labor.

53. Nikolitch, Rodoje. Family Labor and Technological Advance in Farming, Journal of Farm Economics, Vol. XLIV, No. 4, November 1962, 1061-1068.

The author examines how technological advances affect the demand for labor and how this change in demand affects hired farm labor and family farm labor.

54. Norman, David W., and Emery N. Castle. Geography and Agricultural Income: An Additional Hypothesis, Journal of Farm Economics, Vol. 49, No. 3, August 1967, 571-583.

This article offers a 'range of choice' hypothesis as an additional factor in explaining geographical differences in agricultural income.

JOURNAL ARTICLES continued:

55. Olson, Mancur, Jr. Agriculture and the Depressed Area, Journal of Farm Economics, Vol. 46, No. 5, December 1964, 984-988.

The author examines agriculture in depressed areas, and points out the relationship between other unhealthy industries and agricultural employment.

56. Randall, C. Kyle, and Robert H. Masucci. Farm-Nonfarm Income Comparisons, Journal of Farm Economics, Vol. 45, No. 2, May 1963, 359-366.

The authors examine different aspects of comparison of farm-nonfarm income for the preceding 30 years.

57. Reynolds, Lloyd G. Wages and Employment in a Labor-Surplus Economy, The American Economic Review, Vol. LV, No. 1, March 1965, 19-39.

Using Puerto Rico as an example case, the author examines industrialization and economic growth in the modern sector as it affects unemployment, underemployment, and agricultural production.

58. Schuh, G. Edward. An Econometric Investigation of the Market for Hired Labor in Agriculture, Journal of Farm Economics, Vol. XLIV, No. 2, May 1962, 307-321.

This study was designed to obtain estimates of the structural demand and supply relations for agricultural hired labor.

59. Schuh, G. Edward, and Edward W. Tyrchniewicz. Behavioral Equations and Equilibrium in the Agricultural Labor Market, Journal of Farm Economics, Vol. 48, No. 5, December 1966, 1222-1226.

The authors stress tastes and preferences for employment as important in explaining wage differentials in agriculture as well as in industry.

60. Southern, John H. National Agricultural Labor Policy Considerations, Journal of Farm Economics, Vol. 48, No. 5, December 1966, 1121-1130.

The author calls for a general manpower policy to be applied to agriculture and points to a decline in relative income for farm workers as a basis for his argument.

61. Tolley, G. S. Farm Income Policies and Research, Journal of Farm Economics, Vol. XLIV, No. 5, December 1962, 1266-1278.

This paper examines ways in which economic research can contribute to policies designed to equate farm income with nonfarm income.

62. Tolley, G. S., and H. W. Hjort. Age-Mobility and Southern Farmer Skill--Looking Ahead for Area Development, Journal of Farm Economics, Vol. 45, No. 1, February 1963, 31-46.

The author examines the relation of labor supply characteristics to programs designed to increase productive job opportunities in the South.

JOURNAL ARTICLES continued:

63. Tyrchniewicz, Edward G., and G. Edward Schuh. Regional Supply of Hired Labor to Agriculture, Journal of Farm Economics, Vol. 48, No. 3, Part I, August 1966, 537-556.

In view of existing demand and supply for labor in different regions of the U.S., the authors examine the hypothesis that members of the farm labor force compete in a national rather than a regional labor market.

64. Upchurch, M. L. Progress in Resolving the Problem of Rural Poverty, Journal of Farm Economics, Vol. 46, No. 2, May 1964, 429-436.

Rural poverty is defined and an outline of progress in resolving the problem is given.

65. Wallace, T. D., and D. M. Hoover. Income Effects of Innovation: The Case of Labor in Agriculture, Journal of Farm Economics, Vol. 48, No. 2, May 1966, 325-338.

The authors examine the effect of technological change on farm labor wage rates and on the quantities of farm labor required.

66. Western Fruit Grower, Sweet Cherry Harvest Trials, July 1961.

This article presents a summary of what has been done in sweet cherry mechanical harvesting, and a summary of results.

67. Winklemann, Don. A Case Study of the Exodus of Labor From Agriculture: Minnesota, Journal of Farm Economics, Vol. 48, No. 1, February 1966, 12-21.

Wage differences and other factors are discussed as reasons for migration from farm to nonfarm employment.

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80. Alleger, Daniel E. Rural Areas in Transition, University of Florida, Florida Agricultural Experiment Station, Bulletin 671, Gainesville, Florida, University of Florida, May 1964, 36.

The author evaluates the impact of work off the farm for low income families in Florida: based on a 1950-1960 sampling of four counties.

81. Anderson, W. A., and Irving A. Spaulding. Farm Labor Camps and City Youth, Cornell University, Agricultural Experiment Station, Bulletin 819, Ithaca, New York, Cornell University, April 1945, 27.

The authors present an evaluation of city youth working on farms. The study is based on performances, during 1943 and 1944, of New York youngsters who stayed in labor camps in upstate New York. This report includes comments of the employers and employees, problems encountered, and results obtained.

82. Battelle Memorial Institute. The Michigan Manpower Study, Manpower and Regional Economics Division, sponsored by the State of Michigan Departments of Labor, Education, and Commerce, Columbus, Ohio, 1966, 108.

This study provides an analysis of factors affecting future levels of employment for 45 specific occupations for the state of Michigan and for Wayne, Oakland, and Macomb counties. Also included is a detailed analysis of 32 industrial classifications. Projections are made for the year 1980; and characteristics of the labor force such as educational attainment, industry of employment, and occupation of employment are considered.

83. Blakeley, R. A., and J. F. Spencer. Labor Efficiency Through Work Sampling, Department of Agricultural Economics, New York State College of Agriculture, Cornell University, A. E. Ext. 79, Ithaca, New York.

The authors examine work sampling as a technique to assist in the spotting of production "bottlenecks," in balancing the crew to the work load, and to help reduce, labor costs through a more efficient utilization of labor. The methodology, examples, and a sample form are presented for a work sampling check in a packing shed operation.

84. Brown, E. Evan, Boyd B. Rose, and Ronald M. North. Agriculture and Agribusiness in the Economic Development of the Central Savanna River Area of Georgia, University of Georgia, College of Agriculture, Georgia Agricultural Experiment Station in cooperation with The Central Savanna River Area Planning and Development Commission, Georgia Agricultural Experiment Station Bulletin N.S. 112, Athens, Georgia, University of Georgia, January 1964, 79.

Statistics and analysis of farm population and characteristics of farm operators, and considers farm income and farm and nonfarm employment for the Central Savanna River Area of Georgia.

BULLETINS AND REPORTS continued:

85. Brown, Lauren H. Making Farm Employment Competitive, Michigan State University, Agricultural Economics Department, Rural Manpower Center, Special Paper No. 1, East Lansing, Michigan, Michigan State University, May 1967, 21.

A discussion of how employers can make farm employment competitive with nonfarm employment in the areas of wages, fringe benefits, working conditions and employer-employee relations. The author directs his discussion to year-around labor.

86. Burkett, W. Keith, and James F. Thompson. Low Incomes of Rural People: The Nature and Extent of the Problem in a South-Central Kentucky Area, University of Kentucky, Agricultural Experiment Station, Department of Agricultural Economics, in cooperation with the U.S. Department of Agriculture, Economic Research Service, Bulletin 697, Lexington, Kentucky, April 1965, 52.

The authors explore the area's economic climate and agricultural characteristics, income and living levels of farm and nonfarm workers, and adjustment problems and possibilities, and they also offer suggestions for income improvement programs.

87. Callahan, J. W., and B. D. Crossmon. Economics of Pickling Cucumber Production in Massachusetts, University of Massachusetts, College of Agriculture, Experiment Station, Bulletin 515, Amherst, Massachusetts, 1959.

Statistical data on cucumber labor requirements and profit potential.

88. Cohen, Lois K., and G. Edward Schuh. Job Mobility and Migration in a Middle Income Small Town With Comparisons to High and Low Income Communities, Departments of Sociology and Agricultural Economics, Agricultural Experiment Station Research Bulletin No. 763, Purdue University, Lafayette, Indiana, May 1963, 22.

89. Conklin, Melvin J., and Robert C. McElroy. A Survey of Migrant Farmworker Housing in Oregon, Oregon State University, Agricultural Economics Department in cooperation with the U.S. Department of Agriculture, Economic Research Service, Station Bulletin 602, Corvallis, Oregon, Oregon State University, June 1966, 39.

The authors evaluate migrant housing in certain areas of Oregon to determine types and adequacy of housing available to migrant workers. Workers, growers, and camp managers were interviewed to determine the degree of satisfaction with present housing as well as future needs and wants.

90. Crecink, John C. Employment Opportunities in Farming With Varying Levels of Income in the Sand-Clay Hills of Mississippi, Mississippi State University, Agricultural Experiment Station, in cooperation with the United States Department of Agriculture, Economic Research Service, Bulletin 741, Mississippi State University, July 1967, 32.

The author considers labor, capital, and management requirements for obtaining various net incomes in several different farm enterprises.

BULLETINS AND REPORTS continued:

91. Crecink, John C., and Albert L. McLaughlin. Increasing Incomes of Farm Families Through Farm Adjustment, Clay-Hills of Mississippi, Mississippi State University, Agricultural Experiment Station, in cooperation with the United States Department of Agriculture, Economic Research Service, A.Ec. M.R. No. 40, Mississippi State University, State College, Mississippi, March 1965, 26.

The authors examine present farm organization and income and suggest improved organization of operations for maximum income, but they point out that reorganization of small and medium sized farms will not appreciably affect income.

92. Culver, David W., E. Evan Brown, and Boyd B. Rose. Agriculture and Agribusiness in the Economic Development of the Coastal Plain Commission Area of Georgia, University of Georgia, College of Agriculture, Georgia, Agricultural Experiment Stations in cooperation with the Coastal Plain Area Planning and Development Commission, Georgia Agricultural Experiment Station Bulletin N.S. 149, Athens, Georgia, University of Georgia, November 1965, 66.

Data and analysis of population and employment on and off the farm for the Coastal Plains Commission Area of Georgia.

93. Daugherty, William J. New Jersey Migrant Health Program, Annual Report, New Jersey State Department of Health, State of New Jersey, Trenton, New Jersey, published annually.

The report of the year's activities of the State of New Jersey's migrant health program in various areas includes health education, medical and dental care, hospitalization, and family counseling. This is a detailed report covering the organizational setup, problems, and successes of the program.

94. Dawson, George R. Preliminary Investigation of Farm Labor Conditions in New Mexico, New Mexico State University, Agricultural Experiment Station, Research Report 41, New Mexico State University, University Park, New Mexico, April 1960, 78.

A study including statistical data on the economic setting, the farm labor force, agricultural wages, and trends in labor requirements in New Mexico.

95. Dawson, George R. Value of Perquisites for Hired Domestic Farm Labor, New Mexico State University, Agricultural Experiment Station, Research Report 102, New Mexico State University, University Park, New Mexico, July 1965, 13.

A study of the value of fringe benefits furnished to farm workers in New Mexico, based on 122 farmers in six crop-farming counties hiring both domestic and bracero farm workers.

BULLETINS AND REPORTS continued:

96. Draft, Ronald. Cooperative Migrant Farm Worker Housing, Michigan State University, Department of Agricultural Engineering, Rural Manpower Center, Special Paper No. 4, East Lansing, Michigan, Michigan State University, May 1968, 19.

Draft examines some of the pros and cons of migratory worker housing cooperatively owned by farmers. He suggests factors which should be taken into account when designing such housing, and he presents several design layouts.

97. Fulmer, John L. County Population Trends Reflect Underlying Job Changes, University of Kentucky, College of Commerce, Bureau of Business Research, Lexington, Kentucky, 1965, 13.

An evaluation of employment changes and population trends in Kentucky.

98. Fulmer, John L., and James E. Pitts. Kentucky Employment Trends From 1951 to 1963 With Projections to 1965-75, University of Kentucky, College of Commerce, Bureau of Business Research, Lexington, Kentucky, 1965, 79.

Trends in agricultural employment from 1950 to 1964 with projections to 1975.

99. Galloway, Robert E. Rural Manpower in Eastern Kentucky, University of Kentucky, Kentucky Agricultural Experiment Station, in cooperation with the U.S. Department of Agriculture, Agricultural Marketing Service, Bulletin 627, Lexington, Kentucky, University of Kentucky, June 1955, 32.

The author outlines the characteristics, employment status, and availability of the agricultural labor force in Eastern Kentucky and draws conclusions as to potential labor available and the extent of underemployment on farms.

100. Galloway, Robert E., and Howard W. Beers. Utilization of Rural Manpower in Eastern Kentucky, University of Kentucky, Agricultural Experiment Station, Department of Rural Sociology, in cooperation with the United States Department of Agriculture, Bureau of Agricultural Economics, RS-3, Lexington, Kentucky, University of Kentucky, January 1953, 55.

This bulletin, first in a series of publications on rural manpower utilization in Eastern Kentucky, contains data on rural population make-up, labor inputs of rural household members, nonagricultural work experience, and characteristics and status of those who migrate from the rural household.

BULLETINS AND REPORTS continued:

101. Gamble, Hays B. The Economic Structure of Sullivan County, Pennsylvania, Pennsylvania State University, College of Agriculture, Agricultural Experiment Station, Bulletin 743, University Park, Pennsylvania, Pennsylvania State University, June 1967, 60.

The purpose of this study was to determine the feasibility of collecting primary data from an economically depressed rural community for purposes of constructing an econometric model of the community. The author examines one such community in detail as well as the workability of his data collection and assembly.

102. Gaston, H. P., and J. H. Levin. Handling Apples in Bulk Boxes, Michigan State University, Agricultural Experiment Station, Departments of Horticulture and Agricultural Engineering, cooperating with the U.S. Department of Agriculture, Agricultural Engineering and Research Division, Special Bulletin 409, East Lansing, Michigan, Michigan State University, September 1959, 20.

Outlines the use of bulk boxes for apple storage, and shows how container, handling, and labor costs are reduced.

103. Gaston, H. P., and J. H. Levin. Time and Motion Studies of Apple Picking Made to Determine the Possibilities of Mechanizing Harvest Operations, Michigan State College, Departments of Horticulture and Agricultural Engineering, cooperating with U.S. Department of Agriculture, Bureau of Plant Industry, Soils, and Engineering, Quarterly Bulletin, Vol. 36, No. 2, East Lansing, Michigan, Michigan State University, August 1953, 18-23.

Time and motion studies of picking apples which were made to determine whether or not apple picking can be effectively mechanized.

104. Geschwind, R. D., and V. W. Ruttan. Job Mobility and Migration in a Low Income Rural Community, Department of Agricultural Economics, Agricultural Experiment Station Research Bulletin No. 730, Purdue University, Lafayette, Indiana, September 1961, 23.

105. Given, Charles W., and James R. Hundley, Jr. Human Relations on Dairy Farms, Michigan State University, Department of Sociology, Rural Manpower Center, Report No. 2, East Lansing, Michigan, Michigan State University, November 1966, 32.

Discusses the employee-employer relationships in regard to working conditions, wages, and management; for a test group of 23 farmers and 17 hired men on dairy farms in Michigan.

106. Governor's Committee on Migrant Labor. Migratory Labor in Ohio Agriculture, State of Ohio, Columbus, Ohio, December 1965, 45.

The Governor's Committee on Migrant Labor report summarizes the activities, in Ohio, towards improving wages, living conditions, and the general welfare of migrant workers.

BULLETINS AND REPORTS continued:

107. Herendeen, James B. Effects of National Farm Programs on Farm Prices and Incomes in the United States and the Northeast, Pennsylvania State University, College of Agriculture, Agricultural Experiment Station, Bulletin 716, University Park, Pennsylvania, Pennsylvania State University, March 1965, 47.

Alternative farm programs, such as unrestricted production, a voluntary soil bank, mandatory supply controls, and voluntary supply controls, are analyzed and compared to determine their effect on farm prices and incomes in the United States.

108. Hervey, Jack L., Charles M. Cuskaden, and Daniel W. Sturt. Worker Productivity in Asparagus Harvesting, Michigan State University, Agricultural Economics Department, Rural Manpower Center, Report No. 3, East Lansing, Michigan, Michigan State University, January, 1967, 16.

This is a study designed to determine worker productivity in the hand harvesting of selected fruit and vegetable crops. Included in the report are criteria for the selection of the crop to be studied, survey and study methods, tables showing productivity for different classifications of the labor force and results of the study including hourly earning equivalents computed from specified piece work rates and observed productivity rates.

109. Hervey, Jack L., Charles M. Cuskaden, and Daniel W. Sturt. Worker Productivity in Strawberry Harvesting, Michigan State University, Agricultural Economics Department, Rural Manpower Center, Report No. 4, East Lansing, Michigan, Michigan State University, January, 1967, 24.

See Bibliography No. 108.

110. Hervey, Jack L., Charles M. Cuskaden, and Daniel W. Sturt. Worker Productivity in Sweet and Tart Cherry Harvesting, Michigan State University, Agricultural Economics Department, Rural Manpower Center, Report No. 5, East Lansing, Michigan, Michigan State University, February 1967, 23.

See Bibliography No. 108.

111. Hervey, Jack L., Charles M. Cuskaden, and Daniel W. Sturt. Worker Productivity in Raspberry and Blackberry Harvesting, Michigan State University, Agricultural Economics Department, Rural Manpower Center, Report No. 6, East Lansing, Michigan, Michigan State University, February 1967, 22.

See Bibliography No. 108.

BULLETINS AND REPORTS continued:

112. Hervey, Jack L., Charles M. Cuskaden, and Daniel W. Sturt. Worker Productivity in Blueberry Harvesting, Michigan State University, Agricultural Economics Department, Rural Manpower Center, Report No. 7, East Lansing, Michigan, Michigan State University, February 1967, 21.

See Bibliography No. 108.

113. Hervey, Jack L., Charles M. Cuskaden, and Daniel W. Sturt. Worker Productivity in Selected Field and Vegetable Crops: Cucumber (Pickling), Dry Onions (White and Yellow), Potatoes (Irish), and Tomatoes (Processing and Fresh Market), Michigan State University, Agricultural Economics Department, Rural Manpower Center, Report No. 9, East Lansing, Michigan, Michigan State University, August, 1967, 36.

See Bibliography No. 108.

114. Hervey, Jack L., Charles M. Cuskaden, and Daniel W. Sturt. Worker Productivity in Selected Vegetable Harvesting: Greens, Green Onions, and Radishes, Head Lettuce, Peppers, and Snap Beans (Fresh Market), Michigan State University, Agricultural Economics Department, Rural Manpower Center, Report No. 10, East Lansing, Michigan, Michigan State University, September 1967, 22.

See Bibliography No. 108.

115. Hervey, Jack L., Charles M. Cuskaden, and Daniel W. Sturt. Worker Productivity in Selected Tree Fruit Harvesting: Apples and Crab Apples, Peaches, Pears, Plums and Prune-Plums, Michigan State University, Agricultural Economics Department, Rural Manpower Center, Report No. 11, East Lansing, Michigan, Michigan State University, September 1967, 34.

See Bibliography No. 108.

116. Hervey, Jack L., Charles M. Cuskaden, and Daniel W. Sturt. Worker Productivity in Grape Harvesting, Michigan State University, Agricultural Economics Department, Rural Manpower Center, Report No. 12, East Lansing, Michigan, Michigan State University, September 1967, 16.

See Bibliography No. 108.

117. Hervey, Jack L., Charles M. Cuskaden, and Daniel W. Sturt. Worker Productivity in Strawberry Plant Bunching, Michigan State University, Agricultural Economics Department, Rural Manpower Center, Report No. 13, East Lansing, Michigan, Michigan State University, October 1967, 15.

See Bibliography No. 108.

BULLETINS AND REPORTS continued:

118. Hinton, R. A., and A. G. Mueller. Detailed Cost Report for Central Illinois, 1959 and 1960, University of Illinois, College of Agriculture, Agricultural Experiment Station, Department of Agricultural Economics, Research Report AERR-48, Urbana, Illinois, University of Illinois, December 1961, 29.

Statistical data on source, use, and seasonal distribution of labor in Central Illinois for 1959 and 1960.

119. Hoglund, C. R., and B. K. Kearney. Some Economic Aspects of Mechanization and Irrigation of Potatoes, Michigan State University, Department of Agricultural Economics, Agricultural Economics Report No. 40, East Lansing, Michigan, Michigan State University, February 1966, 11.

The authors compare costs of mechanization with expected increases in returns and expected decreases in labor costs to determine feasibility of mechanization for various sized commercial potato growers.

120. Hoglund, C. R., J. A. Speicher, and J. S. Boyd. Milking Efficiency, Investments and Annual Costs for Different Milking Parlors, Michigan State University, Department of Agricultural Economics, Agricultural Economics Report No. 85, East Lansing, Michigan, Michigan State University, October 1967, 8.

Labor efficiency, for milking using different style milking parlors, is examined along with costs for the different style units, to determine the most efficient use of labor and capital in milking operations.

121. Hoover, Norman K., David R. McClay, and Glenn Z. Stevens. Off-Farm Agricultural Occupations in Pennsylvania, Employment Opportunities and Technical Education Needs, Pennsylvania State University, College of Agriculture, Department of Agricultural Education, cooperating with the Department of Public Instruction, Division of Agricultural Education, University Park, Pennsylvania, Pennsylvania State University, Teacher Education Research Series, Vol. 7, No. 1, 1966, 36.

The purpose of this study was to determine technical education needs and opportunities for employment off the farm. Included in this report are findings of estimated needs for trained personnel projected 5 years and projections of type of training needed.

122. Idaho Department of Employment. Annual Agricultural Report, State of Idaho, Department of Employment, Bulletin No. ER 225, Boise, Idaho, 1965, 36.

Covers recruitment, training, mechanical replacement of, and/or requirements for farm labor in Idaho for 1965.

BULLETINS AND REPORTS continued:

123. Idaho, Governor's Migratory Labor Committee. Idaho Migratory Labor Camps, Governor's Migratory Labor Committee, Boise, Idaho, 1965, 49.

This report considers conditions in Migratory Labor Camps, as well as earnings of migrant workers, and general conditions incidental to their employment. It also includes an appendix on Migratory Labor Camp Regulations adopted by the Idaho State Department of Health in 1959.

124. Interagency Committee on Migratory Labor. Report of the Interagency Committee on Migrant Labor, State of Oregon, Salem, Oregon, published annually.

The Interagency Committee on Migratory Labor submits an annual report on its activities in the areas of migratory labor employment, health, accommodations, and transportation.

125. Jordan, Max F., James F. Golden, and Lloyd D. Bender. Aspirations and Capabilities of Rural Youth, University of Arkansas, Agricultural Experiment Station, in cooperation with the U.S. Department of Agriculture, Economic Research Service, Bulletin 722, Fayetteville, Arkansas, University of Arkansas, May 1967, 50.

A survey was made of high school boys to determine their work experience, personal and family characteristics and employment aspirations. The data obtained is given here as well as potential employment opportunities. Recommendations for education and training programs and occupational information services are given in line with the findings of the study.

126. Larson, Olaf F., and Emmit F. Sharp. Migratory Farm Workers in the Atlantic Coast Stream, Changes in New York, 1953 and 1957, New York State, College of Agriculture, Cornell University, Agricultural Experiment Station, in cooperation with U.S. Department of Agriculture, Agricultural Research Service, Farm Economics Research Division, Bulletin 948, Ithaca, New York, New York State, College of Agriculture, May 1960, 62.

The authors evaluate the changes which have taken place in New York with respect to migrant labor wages, working conditions, labor markets, and workers' opinions.

127. Lassiter, Roy L., Jr. The Experience of Selected Manufacturing Firms With the Availability Skills and Training of Manufacturing Workers in Florida, University of Florida, College of Business Administration, Bureau of Economic and Business Research, Occasional Paper No. 1, Gainesville, Florida, University of Florida, 1961, 28.

A study to show the industrial requirements for labor in Florida and the adequacy of indigenous labor to meet this demand.

BULLETINS AND REPORTS continued:

128. Legislative Council and Legislative Reference Bureau. Migrant Farm Labor in Florida, Tallahassee, Florida, State of Florida, 1963, 78.

A summation is presented of the findings of various migrant labor committees on characteristics of migrants, labor supply and recruitment practices, transportation, housing, education, welfare, medical care, and child care and child labor.

129. Legislative Service Bureau. Labor Laws, State of Michigan, Department of Labor, Lansing, Michigan, December 1963, 40.

This pamphlet contains labor legislation for the State of Michigan through 1963.

130. Legislative Service Bureau. Workmen's Compensation Act and Rules of Practice, State of Michigan, Workmen's Compensation Department, L SB-P. No. 25, Lansing, Michigan, September 1, 1965, 79.

An outline of the "Workmen's Compensation Act" with amendments, its organizational setup and how it is administered and to whom. This law does cover farm employers and employees.

131. LeRay, Nelson L., and William W. Reeder. Ex-Farm Operators in a Low-Income Area, New York State College of Agriculture, Cornell University, Agricultural Experiment Station, Department of Rural Sociology, in cooperation with the United States Department of Agriculture, Economic Research Service, Bulletin No. 67-2, Ithaca, New York, Cornell University, November 1965, 66.

This report examines the characteristics of farmers who were farming in 1949 and in 1962 and those who were farming in 1949 but were not farming in 1962. Reasons for leaving or not leaving the farm are considered as well as income levels, age, education, and opportunities for change.

132. LeRay, Nelson L., and Wayne C. Rohreu. Employment of Negro Manpower in Calvert County, Maryland, University of Maryland, Agricultural Experiment Station in cooperation with U.S. Department of Agriculture, Agricultural Research Service, Farm Economics Research Division, Agricultural Experiment Station Bulletin 467, College Park, Maryland, University of Maryland, March 1960, 37.

Data and summation of information on Negro agricultural labor in Calvert County, Maryland.

133. LeRay, Nelson L., George L. Wilbur, and Grady B. Crowe. Plantation Organization and the Resident Labor Force, Delta Area, Mississippi, Mississippi State University, Agricultural Experiment Station, in cooperation with the U.S. Department of Agriculture, Agricultural Research Service, Farm Economics Research Division, Bulletin 606, State College, Mississippi, Mississippi State University, October, 1960, 24.

This bulletin deals with general plantation organization, employment, and income of workers, and characteristics of households and workers and contains illustrations and tables of statistics to supplement the various topics.

BULLETINS AND REPORTS continued:

134. Levin, J. H., and H. P. Gaston. Fruit Handling With Fork Lift Trucks, Michigan State University, Agricultural Experiment Station, Departments of Horticulture and Agricultural Engineering, cooperating with the U.S. Department of Agriculture, Bureau of Plant Industry, Soils, and Agricultural Engineering, Special Bulletin 379, East Lansing, Michigan, Michigan State University, June 1952, 25.

Considers fork lift trucks for handling fruit as a means of saving labor, time, and money.

135. Levin, J. H., H. P. Gaston, S. L. Hedden, and R. T. Whittenberger. Mechanizing the Harvest of Red Tart Cherries, Michigan State University, Agricultural Experiment Station, Departments of Horticulture and Agricultural Economics, cooperating with the U.S. Department of Agriculture, Divisions of Agricultural Engineering Research and Eastern Utilization Research and Development, Quarterly Bulletin, Vol. 42, No. 4, East Lansing, Michigan, Michigan State University, May 1960.

Compares costs of hand picking and mechanical harvesting of red tart cherries and outlines the process of mechanical harvesting.

136. Levin, J. H., and H. P. Gaston. The Three-Team Method of Picking Apples, Michigan State University, Agricultural Experiment Station, Quarterly Bulletin, Vol. 38, No. 4, East Lansing, Michigan, Michigan State University, May 1956.

Outlines the equipment and labor needed and the procedure used in the "three-team method of picking apples" and outlines the efficiency achieved and labor and costs saved using such a method.

137. Loomis, Ralph A. A Profile of Part-time Farming in the United States, Michigan State University, Department of Agricultural Economics, Agricultural Economics Report No. 15, East Lansing, Michigan, Michigan State University, August 1965, 19.

Part-time farming is examined to determine its importance in U.S. agriculture. The author reviews the history of part-time farming and examines the extent to which it exists in specific geographic areas and in the U.S. as a whole. He also examines the characteristics of the part-time farmer and the possible importance of part-time farming in the future.

138. Loomis, Ralph A. Working in Two Worlds---Farm and Factory, Michigan State University, Agricultural Experiment Station, Research Report 32, East Lansing, Michigan, Michigan State University, June 1965, 12.

This report compares farm operators who also work off the farm with those who farm only and explores differences in characteristics, motivation, and job preference. The author is also concerned with how the dual job-holders obtain off-farm employment, and in re-training opportunities.

BULLETINS AND REPORTS continued:

139. Love, A. B., and H. P. Gaston. Michigan's Emergency Farm Labor, 1943-1947, Michigan State University, Extension Service, Emergency Farm Labor Program, Extension Bulletin 288, East Lansing, Michigan, Michigan State University, December 1947, 36.

A report examining how the war-time labor shortage was met in Michigan.

140. Metzler, William H. Farm Workers in a Specialized Seasonal Crop Area, Staneslaus County, California, University of California, California Agricultural Experiment Station, Giannini Foundation of Agricultural Economics, in cooperation with the U.S. Department of Agriculture, Economic Research Service, Giannini Foundation Research Report No. 289, Berkeley, California, July 1966, 90.

The author first examines the seasonal labor demand in Staneslaus County, California, with respect to type of work, seasons, and demand patterns. The major part of this report, however, is devoted to analyzing migrant workers, their ethnic background, migration and employment patterns, earnings, job preferences, education, and ambitions.

141. Metzler, William H., and Frederic O. Sargent. Incomes of Migratory Agricultural Workers, Texas Agricultural Experiment Station, in cooperation with the U.S. Department of Agriculture, Bulletin 950, College Station, Texas, Texas Agricultural Experiment Station, March 1960, 12.

This article reports the earnings of migratory agricultural workers according to amount of traveling done, size of family, etc. and also looks to the future demand and supply of migratory workers.

142. Michigan Department of Agriculture. Michigan Agricultural Statistics, Michigan Crop Reporting Service, Lansing, Michigan, in cooperation with the United States Department of Agriculture, published annually. (Note: Similar reports are published by other states.)

Statistics on the size of farms, crops produced, farm income, population, number of workers, and hired labor wage rates.

143. Michigan Employment Security Commission. Post Season Farm Labor Report, Employment Service Division, Detroit, Michigan, published annually at the close of the farm labor season.

A report covering the season's farm labor developments--including: employment and operational data, major crops and crop activities, recruitment, housing, wages and earnings, scientific and mechanical developments, and human relations for the past year.

144. Michigan Governor's Commission on Migrant Labor. Report of the Governor's Commission on Migrant Labor, Lansing, Michigan, April 1965, 25.

The report presents background information relevant to the migrant labor situation in Michigan. It reports programs presently operating plus recommendations for action, public and private, which could improve the farm labor situation. Specific recommendations are made in regard to health, education, welfare, and employment needs of migrant labor.

BULLETINS AND REPORTS continued:

145. Michigan, Governor's Commission on Migrant Labor. Second Report of the Governor's Commission on Migrant Labor, Lansing, Michigan, August 1966.

The final report of the Commission includes its activities and recommendations for action in the areas of migrant health, education, welfare, and employment needs.

Also included is a future outlook for farm labor, a listing of groups who are actively working with migrant labor, and their activities, and a special report on licensing agricultural labor camps, implementation of the U.S. Migrant Health Act, and activities of the Rural Manpower Center of Michigan State University.

146. Minnesota Department of Employment Security. Criteria for Determining Adequacy of Housing and Facilities for Agricultural Workers, issued by the Minnesota Department of Employment Security, St. Paul, Minnesota, April 1962, 9.

Guidelines for determining adequacy of facilities and housing for migrant labor.

147. Minnesota Department of Employment Security. 1965 Farm Labor Report, Farm Placement Service, Report ES-225, St. Paul, Minnesota, 1965, 42.

This report includes information on farm labor supply and demand, recruitment, youth employment, current farm employment trends, crop production, and other pertinent information concerning farm labor in Minnesota.

148. Minnesota Department of Health. Migrant Labor Camp Safety and Sanitation, Division of Environmental Health, University Campus, Bulletin, Minneapolis, Minnesota, 1965, 12.

Accepted standards of location, construction, and operation of migratory labor camps with illustrations showing construction details of some of the essential facilities such as showers, privies, refuse pits, and housing.

149. Montero, Anne M. Migratory Labor in New York State, National Consumer's Committee for Research and Education, Inc., Washington, D.C., February 1966, 29.

The author examines the reasons why people migrate and the characteristics of those who do. Solutions are offered for improving the lot of migrant workers by increasing employment in their home town and home state and by finding alternate ways of completing the work now done by migrants.

150. Nebraska Department of Labor. Annual Farm Labor Report, Division of Employment, Lincoln, Nebraska, State of Nebraska, published annually.

This is an annual report covering seasonal and regular hired farm worker employment trends, impact of mechanization on labor requirements, implementation of housing inspections, and numbers of foreign workers. Included are statistics on various aspects of farm labor, crop summary reports, and sample farm labor and wheat harvest daily bulletins.

BULLETINS AND REPORTS continued:

151. Nebraska State Health Department. Annual Progress Report, Migrant Project, 1965, State of Nebraska, Lincoln, Nebraska, 1965, 53.

A report of the activities of the Nebraska Migrant Health Project for 1965. Included is background on the area and past efforts, project objectives, reports of sanitation, nursing, school and day care centers, housing inspection, and immunization clinics with examples of forms used in the various areas.

152. New Jersey State Employment Service. Annual Farm Labor Report, Department of Labor and Industry, Division of Employment Security, Trenton, New Jersey, State of New Jersey, published annually.

A review of the past farm labor season including recruitment, housing, and wages of workers, economic and employment trends, and predictions for the coming year for the State of New Jersey.

153. New York State Interdepartmental Committee on Farm and Food Processing Labor. Report of the Committee, 1965, Albany, New York, March 1965, 29.

This is a report of the activities in New York concerning promotion of better living and working conditions for seasonal labor.

154. New York State Interdepartmental Committee on Farm and Food Processing Labor. Outline of the 1965 New York Farm and Food Processing Labor Program, Albany, New York, June 1965, 29.

This report outlines the structure and efforts of the different governmental agencies in New York which are involved in the promotion of better living and working conditions for seasonal farm labor.

155. Olson, Philip G. Job Mobility and Migration in a High Income Rural Community, Department of Agricultural Economics, Agricultural Experiment Station, Research Bulletin No. 708, Purdue University, Lafayette, Indiana, November 1960, 23.

156. Perkins, Banks, and Morriss White. Costs of Packing Fresh Peaches in Chilton County, Alabama, Auburn University, Agricultural Experiment Station, Bulletin 358, Auburn, Alabama, Auburn University, June 1965, 19.

The authors studied labor costs involved using different methods of packing peaches and different packing containers. Data breakdowns by job category and cost of labor are presented as a percentage of total cost.

157. Perkins, Brian, and Dale Hathaway. The Movement of Labor Between Farm and Nonfarm Jobs, Michigan State University, Agricultural Experiment Station, Department of Agricultural Economics, Research Bulletin 13, East Lansing, Michigan, Michigan State University, 1966, 49.

The authors examine the characteristics of workers who leave agriculture for other jobs and those who return to farm work from nonfarm employment. They also examine the types of employment which are available to migrating workers and how economic recession affects labor mobility.

BULLETINS AND REPORTS continued:

158. Ranney, W. P. Labor Requirements on Tennessee Farms, University of Tennessee, Agricultural Experiment Station, Bulletin No. 316, Knoxville, Tennessee, University of Tennessee, September 1960, 71.

This bulletin lists labor requirements for different types of livestock and various crops as well as labor requirement comparisons for different size operations. A table is also included which shows labor requirement each month as percentage of total labor required for several enterprises.

159. Reeder, William J., Nelson L. LeRay, and Wesley W. Craig, Jr. Factors Influencing Occupational Decisions in a Low-Income Area, New York State College of Agriculture, Cornell University Agricultural Experiment Station, Department of Rural Sociology, in cooperation with the United States Department of Agriculture, Economic Research Service, Bulletin No. 67-1, Ithaca, New York, Cornell University, October 1965, 101.

This study examines the factors which enter into major occupational decisions in an economically declining area. Included are factors for changing from full-time to part-time farming, going into full-time farming, and leaving the farm entirely for outside employment.

160. Reul, Myrtle R. Sociocultural Patterns Among Michigan Migrant Farm Workers, Michigan State University, Agricultural Economics Department, Rural Manpower Center, Special Paper No. 2, East Lansing, Michigan, Michigan State University, July 1967, 35.

The author examines the sociological patterns of the different cultural groups of the migrant work force in Michigan--specifically Mexican-American, southern-rural Negro, and Appalachian white. The paper stresses understanding of the problems of the migrant workers.

161. Ricks, Donald J. Worker Productivity in Apple Picking, Michigan State University, Agricultural Economics Department, Rural Manpower Center, Report No. 1, East Lansing, Michigan, Michigan State University, February 1966, 24.

This is a study designed to determine worker productivity in apple picking. Included in this report are tables showing productivity in relation to different determining factors, such as sex, age, motivation of worker, type of tree, and others.

162. Salter, Richard H., Clayton O. Kaigler, and Barry A. Wolf. Arizona Lettuce Production Survey, Arizona State Employment Service, Phoenix, Arizona, Arizona State Employment Service, 1962, 30.

The authors, in this article, review the economic importance of lettuce in Arizona and new harvesting concepts. They interpret the results of spring and fall surveys which were taken to determine patterns of change in production practices, work crew size, man-hour production, average hourly earnings and methods of payment.

BULLETINS AND REPORTS continued:

163. Sargent, C. A. Managing the Part-Time Farm, Purdue University, Cooperative Extension Service, EC-301, Lafayette, Indiana, Purdue University, March 1966, 20.

The author offers suggestions for management of the part-time farm in view of the particular problems encountered by the farm operator who works off the farm full-time.

164. Sargent, Charles. Part-Time Farming in Southeastern Indiana, Purdue University, Agricultural Experiment Station, Research Bulletin No. 794, Lafayette, Indiana, Purdue University, April 1965, 24.

Part-time farming operations are compared with full-time farms as to size, type of operations, and income. The part-time farm is dealt with in greater depth as to type of enterprise, farm labor force, and income as well as social aspects of part-time farming, off-farm job types, and an appraisal of resources used by part-time farms and the returns to the farmer and society.

165. Saunders, Fred B. Economic Analysis of Part-Time Farming in Georgia, University of Georgia, College of Agriculture, Georgia Agricultural Experiment Station Bulletin N.S. 65, Athens, Georgia, University of Georgia, December 1959, 54.

Deals with effects of family size and education on part-time farms, farm and nonfarm income, and labor inputs for part-time farming in Georgia.

166. Schaeffer, Annette, and Carlton M. Edwards. A Housing Quality Measurement Scale, Michigan State University, Agricultural Economics Department, Rural Manpower Center, Report No. 8, East Lansing, Michigan, Michigan State University, May 1967, 51.

Explains the development of a quality measurement scale, and how the scale is applied to evaluate rural housing.

167. Sharp, Emmit F., and Olaf F. Larson. Migratory Farm Workers in the Atlantic Coast Stream, Education of New York Workers and Their Children, 1953 and 1957, New York State, College of Agriculture, Cornell University, Agricultural Experiment Station, in cooperation with U.S. Department of Agriculture, Agricultural Research Service, Farm Economics Research Division, Bulletin 949, Ithaca, New York, New York College of Agriculture, May 1960, 20.

This report is a comparison of educational levels attained by migrant children, and an examination of factors influencing educational achievement.

BULLETINS AND REPORTS continued:

168. Shultis, Arthur. The Seasonal Farm Labor Situation in Santa Clara County in 1959 and 1960, University of California, Division of Agricultural Science, Giannini Foundation of Agricultural Economics, Giannini Foundation Research Report No. 247, Berkeley, California, August, 1961, 26.

A report of farm labor needs, wage rates, supply, housing, recruitment, and types of farm workers, for Santa Clara County, California, with emphasis on needs per type of farm operation.

169. Skrabanek, R. L., and Avra Rapton. Occupational Change Among Spanish-Americans in Atascosa County and San Antonio, Texas, Texas A & M University, Texas Agricultural Experiment Station, B-1061, College Station, Texas, Texas A & M University, December 1966, 24.

The Spanish-American people of Atascosa County, Texas, are compared to those of San Antonio, Texas, in the areas of educational attainment, social and personal characteristics, employment situation of household heads, occupational mobility, and income status. In addition, comparisons are made with the non-Spanish-American population of the same areas.

170. Staser, Reverend and Mrs. Carl. The Frankfort Migrant Child Care Center, Michigan State University, Agricultural Economics Department, Rural Manpower Center, East Lansing, Michigan, Michigan State University, 1964, 39.

An outline of organization and a report of operations for the Frankfort Migrant Child Care Center.

171. State of Michigan. Recommendations of Senate and House Labor Committees Regarding Workmen's Compensation--Agriculture, Senate and House Labor Committees, Lansing, Michigan, 1965, 12.

An analysis of the existing situation and recommendations for action concerning workmen's compensation for agricultural workers.

172. State of New Jersey. Migrant Labor Report, Department of Labor and Industry, Bureau of Migrant Labor, Trenton, New Jersey, 16.

A brief report on numbers of migrant laborers employed, migrant camp facilities, and education for migrant children for 1962 thru 1964.

173. Stockwell, Edward G. Income Characteristics of the Population in Connecticut and the Northeast Region, University of Connecticut, Agricultural Experiment Station, Research Report 24, Storrs, Connecticut, University of Connecticut, September 1967, 39.

This report examines the incomes of people in Connecticut including family income trends and family income differentials according to race, urban-rural residence, and geographic location of residence. Also included are incomes of persons and an examination of variations according to sex and color, urban-rural residence, age, occupation, education, and intra-regional differences. This report is part of a Federal government project, Research Project NE-47, entitled, "Social and Economic Consequences of Changes in Employment Upon Selected Communities in the Northeast."

BULLETINS AND REPORTS continued:

174. Stockwell, Edward G., and Harold F. Goldsmith. Labor Trends and Unemployment in Connecticut and the Northeast Region, University of Connecticut, Agricultural Experiment Station, Research Report 19, Storrs, Connecticut, University of Connecticut, December 1966, 44.

This report examines employment and unemployment trends; first with a general view, and then as they affect different persons according to sex, age, education, marital status, number of children in household, color, urban-rural places of residence, and geographic location of workers.

175. Stockwell, Edward G., and Harold F. Goldsmith. Occupation of Workers in Connecticut and the Northeast Region, University of Connecticut, Agricultural Experiment Station, Research Report 20, Storrs, Connecticut, University of Connecticut, January 1967, 54.

Various occupations of workers in the Northeast region of the U.S. are described. The report focuses on major trends which are taking place with respect to work activity and differences of occupational composition that characterize various subgroups of the population.

176. Stockwell, Edward G., and Harold F. Goldsmith. Population Mobility in Connecticut and the Northeast Region, University of Connecticut, Agricultural Experiment Station, Research Report 11, Storrs, Connecticut, University of Connecticut, October 1965, 57.

The tendency of workers or families to move in accordance with changing employment patterns is examined in view of characteristics and social standing of the workers.

177. Stout, B. A., C. K. Kline, and C. R. Hoglund. Economics of Mechanical Asparagus Harvesting Systems, Michigan State University, Agricultural Experiment Station, Research Report 64, East Lansing, Michigan, December 1967, 11.

The authors employ computer analysis to facilitate a cost evaluation of potential asparagus harvesters under numerous selected harvest and preharvest conditions.

178. Sturt, Daniel W. Farm Labor in 1980, Farm Machinery and Farm Labor, Michigan State University, Agricultural Experiment Station, Research Report 48, East Lansing, Michigan, Michigan State University, 1960, 9-14.

The author predicts what developments can be expected in the farm labor field by 1980 as to requirements for different enterprises, overall requirements, and seasonal labor requirements.

179. The Texas Good Neighbor Commission. Texas Migrant Labor, the 1967 Migration, Annual Report of the Texas Good Neighbor Commission, Austin, Texas, 1968.

The 1967 report reviews the situation and problems of migrant labor in Texas. Migration trends are examined, and recent legislation concerned with migrants is reviewed.

BULLETINS AND REPORTS continued:

180. U.S. Department of Labor. Final Report of Michigan Farm Labor Panel, Michigan Farm Labor Panel, Detroit, Michigan, December 30, 1965, 45.

A report concerning the conditions of seasonal work for migrant and domestic workers and recommendations concerning anticipated need for foreign workers. The panel was appointed by Secretary of Labor, W. W. Wirtz, to investigate the impact of the termination of Public Law 78 ("bracero act").

181. University of Maryland. Proceedings, Maryland Farm Manpower Conference, a part of the Maryland Agribusiness Resources Seminar Program, University of Maryland, College of Agriculture, Cooperative Extension Service, Department of Agricultural Economics, College Park, Maryland, July 20, 1965, 74.

These proceedings cover manpower available, migratory labor, services available to farmers, the role of the cooperative extension service, locational agricultural education, farm labor legislation, and other subjects as related to Maryland agriculture.

182. Young, Stanley. Manpower Training, Some Cost Dimensions, University of Massachusetts, Labor Relations and Research Center, Amherst, Massachusetts, University of Massachusetts, 48.

The author deals with total costs and a breakdown of costs of the manpower development program as established under the federal Manpower Development and Training Act of 1962. He also deals with indirect costs and returns realized from the program.

U.S. GOVERNMENT DOCUMENTS & REPORTS:

200. Bond, Deborah T. Major Provisions of State and Federal Farm Labor Contractor Laws, U.S. Department of Labor, Bureau of Labor Standards, Division of State Services and Standards, Bulletin 275, Washington, D.C., U.S. Government Printing Office, May 1965, 21.

Analysis of federal and state laws regarding farm labor contractors as they relate to migrant workers.

201. Bowles, Gladys K., and Calvin F. Beale. Characteristics of the Population of Hired Farm Worker Households, U.S. Department of Agriculture, Economic Research Service, Agricultural Economics Report No. 84, Washington, D.C., U.S. Government Printing Office, August 1965, 21.

Farm Worker households, those households having at least one member who had engaged in hired farm work during the year, are examined as to dependence on farm work, income, education, sex, and age, by race and whether the households were migratory.

202. Cowhig, James D. Education and Earnings of the Hired Farm Working Force of 1960, United States Department of Agriculture, Economic Research Service, Agriculture Information Bulletin No. 262, Washington, D.C., U.S. Government Printing Office, May 1962, 29.

Because of the close association between level of education achieved and wages, this bulletin first examines educational achievement in various age groups of agricultural workers, and then goes on to examine wages received, unemployment and underemployment for different educational levels.

203. Cowhig, James D. Education, Skill Level, and Earnings of the Hired Farm Working Force of 1961, U.S. Department of Agriculture, Economic Research Service, Economic and Statistical Analysis Division, Farm Population Branch, Agricultural Economics Report No. 26, Washington, D.C., U.S. Government Printing Office, March 1963, 21.

The author compares statistical data on the educational level and skill level of farm workers and nonfarm workers as it relates to earnings received.

204. Cowhig, James D., and Sheridan T. Maitland. An Analysis of the Experienced Hired Farm Working Force, 1948-1957, U.S. Department of Agriculture, Agricultural Marketing Service, Bulletin No. 225, Washington, D.C., U.S. Government Printing Office, April 1960, 19.

This publication, as a supplement to the annual federal publication on the hired farm work force, analyzes the farm work force as to prior work experience, farm work experience and number of years in the farm labor force, according to sex and race of the workers.

U.S. GOVERNMENT DOCUMENTS & REPORTS continued:

205. Gavett, Earle E. Labor Used For Fruits and Tree Nuts, U.S. Department of Agriculture, Farm Economics Research Division, Agricultural Research Service, Statistical Bulletin No. 232, Washington, D.C.: U.S. Government Printing Office, June 1958, 52.

This publication contains estimates of labor requirements for stages of production of non-citrus and citrus tree fruits and tree nuts. The estimates are based on secondary State and Federal data for the 1954 crop year. Data are reported in man-hours used per acre.

206. Inter-Agency Committee on Mexican-American Affairs. The Mexican-American: A New Focus on Opportunity, testimony presented at the Cabinet Committee Hearings on Mexican-American Affairs, El Paso, Texas, October 26-28, 1967, Washington, D.C.: U.S. Government Printing Office, 1968, 253.

The comments and testimony of 51 persons who appeared at the Committee hearings are presented. Topics discussed include community development, education, research, health, housing, self-help programs, civil rights, and migrant farm labor, among others.

207. Jordan, Max F. Rural Industrialization in the Ozarks: Case Study of a New Shirt Plant at Gassville, Arkansas, United States Department of Agriculture, Economic Research Service, in cooperation with the University of Arkansas, Arkansas Agricultural Experiment Station, Agricultural Economics Report 123, Washington, D.C., U.S. Government Printing Office, November 1967, 23.

This is one of a series of studies on short-run impact of industrial development in rural areas. Considered are such topics as income, employment and unemployment, agriculture, and labor force characteristics, before and during industrial development.

208. Jordan, Max F., and Lloyd D. Bender. An Economic Survey of the Ozark Region, United States Department of Agriculture, Economic Research Service, in cooperation with the University of Arkansas, Arkansas Agricultural Experiment Station, Agricultural Economics Report No. 97, Washington, D.C., U.S. Government Printing Office, July 1966, 81.

This report identifies major problems of the Ozark area and included is a considerable amount of data on human resources. Employment in mining and agriculture, and manufacturing industries are given specific treatment as well as general information on population trends, educational achievement, level of living, and changes in the labor force of the people of this area.

209. Levin, J. H., and H. P. Gaston. Equipment Used by Decidious Fruit Growers in Handling Bulk Boxes, U.S. Department of Agriculture, Agricultural Research Service, ARS 42-20, Washington, D.C., U.S. Printing Office, August 1958, 11.

A listing and description of equipment used in handling bulk boxes.

U.S. GOVERNMENT DOCUMENTS & REPORTS continued:

210. Maitland, Sheridan T., and Dorothy Ann Fisher. Area Variations in the Wages of Agricultural Labor in the United States, U.S. Department of Agriculture, Agricultural Economics Division, Agricultural Marketing Service, Technical Bulletin No. 1177, Washington, D.C., U.S. Government Printing Office, March 1958, 54.

This bulletin contains statistical data on wage rates and labor supply and demand in the United States. The authors analyze the data, obtained mostly from the U.S. Census of Agriculture, to determine wage rate differences and implications.

211. McElroy, Robert C., and Earle E. Gavett. Termination of the Bracero Program: Some Effects on Farm Labor and Migrant Housing Needs, U.S. Department of Agriculture, Economic Research Service, Farm Production Economics Division, Agricultural Economics Report No. 77, Washington, D.C., U.S. Government Printing Office, June 1965, 29.

This report deals with expected changes in demand for farm labor and for migrant housing, caused by the termination of U.S. Public Law 78 (the Bracero Program).

212. Metzler, William H., and Frederic O. Sargent. Migratory Farm Workers in the Midcontinent Stream, U.S. Department of Agriculture, Agriculture Research Service, in cooperation with Texas Agricultural Experiment Station, Production Research Report 41, Washington, D.C., U.S. Government Printing Office, December 1960, 62.

This report covers characteristics of migrants in southern Texas, annual migration patterns; and also deals with labor recruitment, employment, and unemployment of migrants.

213. President's National Advisory Commission on Rural Poverty. The People Left Behind, Washington, D.C., U.S. Government Printing Office, September 1967, 160.

The Commission monograph presents a discussion of existing rural poverty problems and specific policy recommendations for attacking such problems. Policy recommendations are made in the areas of economic environment, manpower training and utilization, education, medical care, family planning, public assistance programs, housing, regional development, community organization, natural resource problems, adjustments in the primary industries, and proposals for more effective government actions for developing rural potentials.

214. U.S. Department of Agriculture. The Hired Farm Working Force, Economic Research Service, Washington, D.C., U.S. Government Printing Office, published annually.

This bulletin contains information and data on the previous year's hired agricultural work force including employment, earnings, and characteristics of workers, such as color, age, sex, chief activity during the year, migratory status and number of years at same job, as well as employment status and place of residence at the time the survey is taken.

U.S. GOVERNMENT DOCUMENTS & REPORTS continued:

215. U.S. Department of Agriculture. Mechanizing the Harvesting and Orchard Handling of Fruits, Agricultural Research Service, ARS 22-88, Washington, D.C., U.S. Government Printing Office, February 1964, 16.

A report on mechanical handling of fruits to save labor and time. A summary of findings of different research projects which were designed to find ways of improving fruit handling.

216. U.S. Department of Labor. Annual Digest of State and Federal Labor Legislation, Bureau of Labor Standards, U.S. Department of Labor, Washington, D.C., U.S. Government Printing Office, annually.

This annual "Digest" includes summaries of Federal and State legislation affecting farm and nonfarm labor.

217. U.S. Department of Labor. Exemptions Applicable to Agriculture, Processing of Agricultural Commodities, and Related Subjects Under the Fair Labor Standards Act of 1938, as Amended, an Interpretive Bulletin of the Code of Federal Regulations, Wage and Hour and Public Contracts Divisions, WHPC 1042, Washington, D.C., U.S. Government Printing Office, 1965.

Parts of this interpretive bulletin are out of date as a result of post 1965 legislation; however, most general definitions are still applicable (as of 1968).

218. U.S. Department of Labor. Federally Assisted Manpower Development Programs, Manpower Administration, Office of Manpower Policy, Evaluation and Research, Washington, D.C., U.S. Government Printing Office, 1966, 33.

A collection of Federal laws are presented which contain provisions for the support of manpower development projects. Information on the various programs of vocational training, occupational training, poverty alleviation, and higher education and professional training, was supplied by the various agencies involved in such programs.

219. U.S. Department of Labor. Housing Handbook, A Guide to Improved Farm Worker Housing, Bureau of Employment Security, Office of Farm Labor Service, Washington, D.C., U.S. Government Printing Office, 1967, 62.

Basic requirements to be considered when providing farm labor housing are outlined as well as possible ways of financing such housing. Federal rural housing programs are outlined. A large part of the monograph is devoted to the listing of agencies involved in rural housing problems.

220. U.S. Department of Labor. Manpower Report of the President and A Report on Manpower Requirements, Resources, Utilization, and Training, Manpower Administration, Washington, D.C., U.S. Government Printing Office, published annually.

A review of the year's developments and the present status of employment, unemployment, manpower training and development, and legislation.

U.S. GOVERNMENT DOCUMENTS & REPORTS continued:

221. U.S. Department of Labor. Manpower Research Programs, Part IV of the Report of the Secretary of Labor on Manpower Research and Training Under the Manpower Development and Training Act of 1962, As Amended, Manpower Administration, Washington, D.C., U.S. Government Printing Office, 1966, 151.

The types of research programs, contract research and research grant programs, which are carried on by the Manpower Administration are explained. Areas of research including motivation, search for work, training, matching workers and jobs, affects of a changing economy, estimates of future needs, international manpower research, and manpower research findings application, are explained; and significant findings in these areas are briefly dealt with.

222. U.S. Department of Labor. Potato Harvest Mechanization, Effect on Seasonal Hired Labor, Bureau of Employment Security, BES No. R-204, Washington, D.C., U.S. Government Printing Office, 1961, 21.

Studies the effect of mechanization in the white potato industry on seasonal hired labor.

223. U.S. Department of Labor. Underemployment and Poverty in Rural Areas, Manpower Administration, Washington, D.C., U.S. Government Printing Office, 1967, 21. A Reprint from the 1967 Manpower Report.

This document reviews the manpower requirements, and migration off the farm, rural poverty and health, education, housing, and unemployment and underemployment, which exist today. Programs which are designed to give assistance to rural areas, and are now in operation, are explained and projections are made as to future needs and expected developments.

224. Whyte, Donald F., et. al. Migratory Farm Workers in New York State, 1959, and Comparisons with 1953, 1957, and 1958, U.S. Department of Agriculture, Agriculture Research Service, ARS 43-121, April, 1960, 10.

This report summarizes findings in size and composition changes of the Negro migratory farm labor force in New York State from 1953 to 1959 as well as the composition, employment, and earnings of Puerto Rican seasonal farm workers in 1959.

MISCELLANEOUS PUBLICATIONS:

250. Brown, Norman A. There Will Be Jobs For Youth Who Prepare, Michigan Farm Economics, No. 274, Cooperative Extension Service, Michigan State University, East Lansing, Michigan, November 1965, 1-3.

An outline of present and future opportunities in agriculture with special emphasis on education requirements.

251. Bryant, W. Keith, and Anne Elizabeth Hammill. Industrialization, Location, and Rural Income Levels, Minnesota Farm Business Notes, No. 501, University of Minnesota, St. Paul, Minnesota, December 1967, 1-3.

This article summarizes the findings of a study comparing levels of economic development, and well-being of the residents of rural Minnesota.

252. Call, David. Farm Labor Management, Michigan Farm Economics, No. 220, Cooperative Extension Service, Michigan State University, East Lansing, Michigan, May 1961, 1-2.

The author points out changes in management which are required when expanding a farm operation and suggests methods of training employees to assume more responsibilities.

253. Farm Labor Management Workshop. Proceedings of the Farm Labor Management Workshop, Michigan State University, Department of Agricultural Economics, Rural Manpower Center, A. Ec. Mimeo 1965-12, East Lansing, Michigan, December 15-16, 1964.

This report contains the context of addresses delivered, and a summary of the proceedings of the Farm Labor Management Workshop.

254. Meaders, O. Donald. The Development of Area Vocational Education Programs in Michigan, Michigan Farm Economics, No. 296, Cooperative Extension Service, Michigan State University, East Lansing, Michigan, September 1967, 1-3.

The author presents a brief history and recent developments in the vocational training field in Michigan. He stresses the need for trained personnel and proposes alternative methods of organizing a vocational training program.

255. Michigan Employment Security Commission. Michigan Farm Labor Bulletin, Employment Service Division, Detroit, Michigan, published throughout the year.

A listing of agricultural labor requirements throughout Michigan.

256. Michigan Employment Security Commission. Michigan Manpower Review, Department of Labor, State Administrative Office, Detroit, Michigan, published monthly.

A review of employment and unemployment, for the month, in Michigan and reasons for fluctuation and change.

MISCELLANEOUS PUBLICATIONS continued:

257. Ricks, D. J., and R. G. Wheeler. Mechanical Harvesting Cuts Labor Cost for Michigan Fruit Growers, Michigan Farm Economics, No. 220, Cooperative Extension Service, Michigan State University, East Lansing, Michigan, May 1961, 3-4.

258. Sturt, Daniel W. Farm Labor in Michigan--Facts and Forecast, Michigan State University, Agricultural Economics Department, Rural Manpower Center, East Lansing, Michigan, Michigan State University, July 26, 1967, 4.

A statement of existing conditions in Michigan covering numbers of workers, wages, living conditions of workers, and the effect of mechanization on the demand for workers.

259. Sturt, Daniel W. Michigan's Minimum Wage Act of 1964, Michigan State University, Cooperative Extension Service, Bulletin 490, East Lansing, Michigan, Michigan State University, January 1965, 2.

A summary of how the "Minimum Wage Act of 1964" affects farm employers in Michigan.

260. Sturt, Daniel W. Michigan's Minimum Wage Act of 1964 and Farm Employers, Michigan Farm Economics, No. 265, Cooperative Extension Service, Michigan State University, East Lansing, Michigan, February 1966, 3.

An outline of the Michigan minimum wage law of 1964 as it pertains to farm employers.

261. Sturt, Daniel W. MSU' Rural Manpower Center, Michigan Farm Economics, No. 277, Cooperative Extension Service, Michigan State University, East Lansing, Michigan, February 1966, 1-2.

An outline of the organization and activities of the Michigan State University Rural Manpower Center.

262. Sturt, Daniel W. The Rural Manpower Center of Michigan State University, Michigan State University, Agricultural Economics Department, Rural Manpower Center, East Lansing, Michigan, Michigan State University, February 10, 1966.

A report of the activities of the Rural Manpower Center since its establishment on September 23, 1965, until February 1966. The reasons for establishment of the Center and an outline of the organization of the Center are the main topics of the report.

263. Sturt, Daniel W. Seasonal Labor in Michigan: Where Grower Interest and Public Interest Meet, Michigan Farm Economics, No. 265, Cooperative Extension Service, Michigan State University, East Lansing, Michigan, February 1965, 1-2.

Considers the seasonal labor force as a part of the Michigan agricultural picture and outlines what is being done privately and publicly in the area of migrant labor.

UNPUBLISHED PAPERS AND SPEECHES:

275. Doane, Jerry E. Housing: Key to a Better Labor Force, an address delivered at the Farm Labor Management Workshop, Michigan State University, East Lansing, Michigan, December 15, 1964.

Doane presents brief ideas on improved migrant labor housing. (Text of the address can be found in Proceedings of the Farm Labor Management Workshop, Michigan State University, Agricultural Economics Department, Rural Manpower Center, Ag. Econ. Mimeo, AEC 1965-12, East Lansing, Michigan, December 15, 16, 1964.)

276. Fuller, Varden. Emerging Farm Labor Issues, an address delivered at the 44th Annual National Agricultural Outlook Conference, Washington, D.C., November 15, 1966.

The author reviews, under new and changing conditions, the problems of unionization of farm workers, minimum wage laws for agricultural labor, and seasonal labor needs.

277. Hathaway, Dale E. Improving the Search For Employment, a paper presented at the Conference on Creating Opportunities for Tomorrow, May 13-14, 1968, Raleigh, North Carolina.

Hathaway considers some of the forces affecting the movement of labor into and out of rural areas, and suggests what might be done to make this market function more efficiently.

278. Hathaway, Dale E. People on the Move--The Rural to Urban Population Shift, a paper presented at the National Manpower Conference, May 17-18, 1968, Stillwater, Oklahoma.

Hathaway discusses the economic causes and implications of the rural-urban population shift, and suggests policy alternatives to increase the efficiency and lessen the social and personal disorganization associated with this shift.

279. Hathaway, Dale E. Poverty in the Hired Farm Work Force, unpublished paper, Michigan State University, Department of Agricultural Economics, East Lansing, Michigan, November 20, 1965, 25.

A definition of the hired farm work force and an examination of the conditions of those persons who comprise the hired farm work force.

280. Hedden, S. L., and C. M. Hansen. A Three-Dimensional "Space Basket" for Pruning Fruit Trees, a paper presented at the American Society of Agricultural Engineers, Washington, D.C., Annual Meeting, June 1962, Paper No. 62-153, 9.

A report of the development of a mechanical tree-pruning device with tables showing comparative costs of conventional pruning methods as compared to the new space basket used in pruning.

UNPUBLISHED PAPERS AND SPEECHES continued:

281. Hoglund, Ray. Is Mechanization the Answer?, an address delivered at Michigan Farmer's Week, Michigan State University, East Lansing, Michigan, February 1966.

Hoglund considers mechanization as an alternative to increased farm labor rates.

282. Hoglund, Ray. What Is the Labor Situation on Michigan Dairy Farms?, A Review of a Recent Labor Study, an address delivered at Michigan Farmer's Week, Michigan State University, East Lansing, Michigan, February 1966.

Hoglund examines the feasibility of hiring labor on dairy farms with projections into the future.

283. Kramarz, Andrew. Obtaining an Adequate Labor Supply, Michigan State Employment Service, Farm Labor Services Section, an address delivered at Michigan Farmer's Week, Michigan State University, East Lansing, Michigan, February 1, 1966.

Kramarz discusses employment service methods for procurring long-term and seasonal employees.

284. Levin, Jordan H. Increasing Efficiency in Apple Handling, an address delivered at the Illinois State Horticultural Society Annual Meeting, Springfield, Illinois, November 25-26, 1957.

Outlines developments in mechanization of apple handling and increased efficiency of labor.

285. McAllister, W. T. Labor Management on the Farm, an address delivered at the Farm Labor Management Workshop, Michigan State University, East Lansing, Michigan, December 15, 1964.

Ideas on improving farm labor management. (Text of the address can be found in Proceedings of the Farm Labor Management Workshop, Michigan State University, Agricultural Economics Department, Rural Manpower Center, A. Ec. Mimeo 1965-12, East Lansing, Michigan, December 15-16, 1964.)

286. Mehren, George L. Agricultural Labor in Three California Counties, an address delivered to the Berkeley City Commons Club, Berkeley, California, May 5, 1961.

This address is based on findings of the Giannini Foundation of Agricultural Economics, University of California, in their study of Santa Clara, Yolo, and Riverside Counties, concerning agricultural labor needs, supply, condition of employment, and general trends for the three counties.

UNPUBLISHED PAPERS AND SPEECHES continued:

287. Mehren, George L. The Impact of Mechanization on the Agricultural Work Force, an address delivered to the National Council of Farm Cooperatives 33rd Annual Meeting, San Francisco, California, January 16, 1962.

An outline of trends in agricultural labor wage rates and how this has affected mechanization and further how mechanization will affect labor needs.

288. Monroe, Gordon E., and Jordan H. Levin. Mechanical Harvesting of Cultivated Blueberries, a paper presented at the American Society of Agricultural Engineers, Chicago, Illinois, Winter Meeting, December 10-13, 1963, Paper No. 63-640.

A brief summary of development efforts towards a harvesting machine for blueberries.

289. North, David S. Programs for Farm Labor, an address delivered at the 44th Annual National Agricultural Outlook Conference, Washington, D.C., November 15, 1966.

Federal and State programs for alleviation of the problems of migrant farm labor, such as low wages, inadequate housing, and education, are explained and examined; and continuing problem areas are pointed out.

290. Rathburn, James B. Fringe Benefits For Agricultural Employees, Michigan State University, Rural Manpower Center, East Lansing, Michigan, a paper presented at the Farm Labor Management Workshop, December 16-17, 1965.

This report considers fringe benefits available to agricultural employees in Michigan.

291. Reul, Myrtle R. Migrant Workers in Michigan, an address delivered at the Farm Labor Management Workshop, Michigan State University, East Lansing, Michigan, 1964.

The speech deals with employer-employee relationships and ideas for increased productivity. (Text of the address can be found in Proceedings of the Farm Labor Management Workshop, Michigan State University, Agricultural Economics Department, Rural Manpower Center, A. Ec. Bulletin, A. Ec. 1964-12, East Lansing, Michigan, December 15-16, 1964.)

292. Ricks, Donald. The Choice Between Capital and Labor, an address delivered at the Farm Labor Management Workshop, Michigan State University, East Lansing, Michigan, December 15, 1964.

Ricks considers the question of mechanizing to reduce labor problems and costs. (Text of the address can be found in Proceedings of the Farm Labor Management Workshop, Michigan State University, Agricultural Economics Department, Rural Manpower Center, A. Ec. Mimeo, A. Ec. 1965-12, East Lansing, Michigan, December 15-16, 1964.)

UNPUBLISHED PAPERS AND SPEECHES continued:

293. Schmidt, Charles T., Jr. Recruitment and Retention of Dairy Farm Labor--Some Alternatives to Labor Turnover, an address during the Michigan State University Farmer's Week, 1966.

The author points out ways to obtain and hold good dairy farm labor, and receive a satisfactory work performance.

294. Strange, Susan, and Rhea Pendergrass Priest. Bibliography: The Mexican-American in the Migrant Labor Setting, an unpublished paper, Rural Manpower Center, Michigan State University, East Lansing, Michigan, 1968, 26.

295. Strong, Ralph A. Farm Labor Legislation, an address delivered at the Farm Labor Management Workshop, Michigan State University, East Lansing, Michigan, December 15, 1964.

Strong presents an outline and summarization of Federal legislation for 1964 and amendments and policy interpretations of older legislation still operative. (Text of the address can be found in Proceedings of the Farm Labor Management Workshop, Michigan State University, Agricultural Economics Department, Rural Manpower Center, A. Ec. Mimeo, A. Ec. 1965-12, East Lansing, Michigan, December 15-16, 1964.)

296. Stuckman, Noel W. Labor Legislation and Its Impact on Michigan Agriculture, Michigan Farm Bureau, an address delivered at Michigan Farmer's Week, Michigan State University, East Lansing, Michigan, February 1, 1966.

Stuckman discusses Michigan labor legislation, how it has, and how it will affect Michigan agriculture.

297. Sturt, Daniel W. The Countdown on Farm Labor, a paper presented at the National Extension Workshop on Farm Labor Problems, University of Nebraska Center for Continuing Education, Lincoln, Nebraska, November 1-4, 1966.

The author deals with the problems of farm labor including recruitment, supply, management of, wages, training, and community relations. The author stresses the need for educators and extension personnel to provide the leadership in overcoming these problems.

298. Sturt, Daniel W. Labor Management Relations: Some Observations Relative to the Farm Labor Work Environment, an address presented at the National Farm Labor Conference, San Francisco, California, January 9-11, 1967.

Sturt considers some of the problems that need to be overcome in the area of employee-employer relationships and employee-community relationships. Stresses modernizing labor management to compete with off-farm management practices.

UNPUBLISHED PAPERS AND SPEECHES continued:

299. Sturt, Daniel W. Making the Most of Farm Labor, Department of Agricultural Economics, an address delivered at Michigan Farmer's Week, Michigan State University, East Lansing, Michigan, February 1, 1966.

An overview of the Michigan farm labor situation and ways of improving labor management.

300. Wisconsin State Employment Service. Cucumber Survey 1967, Hours and Earnings of Migrant Cucumber Pickers, Department of Industry, Labor and Human Relations, Labor Standards Division, Wisconsin State Employment Service, Madison, Wisconsin, 1967, 18.